

(FILE 'HOME' ENTERED AT 14:59:51 ON 30 MAY 2003)

FILE 'CAPLUS, USPATFULL' ENTERED AT 15:00:07 ON 30 MAY 2003

L1	8931 S CITRUS JUICE OR ORANGE JUICE OR GRAPEFRUIT JUICE OR GRAPE
FRU	
L2	23141 S CAPRYLIC ACID OR OCTANOIC ACID
L3	86 S L1 AND L2
L4	11 S L1 (P) L2

L4 ANSWER 10 OF 11 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1964:407305 CAPLUS

DOCUMENT NUMBER: 61:7305

ORIGINAL REFERENCE NO.: 61:1181e-h

TITLE: Analysis of the flavor and aroma constituents of Florida orange juices by gas chromatography

AUTHOR(S): Wolford, R. W.; Attaway, J. A.; Alberding, G. E.; Atkins, C. D.

CORPORATE SOURCE: Florida Citrus Comm., Lake Alfred, FL

SOURCE: Journal of Food Science (1963), 28, 320-8

CODEN: JFDSAZ; ISSN: 0022-1147

DOCUMENT TYPE: Journal

LANGUAGE: Unavailable

AB Volatile flavor components in freshly extd. orange juices were studied by programmed-temp. gas chromatography and thermal-cond. detection. Hamlin, Pineapple, and Valencia oranges were examd. with respect to flavor and aroma patterns. No significant qual. differences among varieties in gross

analyses were found by the techniques employed. Quant. differences appeared to be responsible for the flavor differences among varieties. Analyses showed some compn. differences among varieties in control

juices,

peel-oil-free juices, their resp. juice essences, and peel oils. The presence of certain chem. constituents in the juice was directly related to the peel oil. The following were detected in the juices: AcH, Me2CO, MeOH, EtOH, PrCO2Et, hexanal, .beta.-myrcene, 3-carene,

.alpha.-terpinene,

d-limonene, 2-hexanal, .gamma.-terpinene, octanal, 2-hexenal, terpinolene,

hexanol, 3-hexenol, nonanal, Et caprylate, 2-nonanol, decanal, linalool, octanol, 1-nonanol, neral, .alpha.-terpineol, terpinyl acetate, geranial, citronellol, 1-carvone, nerol, and geraniol, as well as (less pos. identified) HCO2Et, AcOEt, Me isovalerate, PrOH, .alpha.-pinene, AmOH, p-cymene, 2-octenal, methylheptenol, undecanal, terpinen-4-ol, octyl butyrate, octyl isovalerate, Me methylantranilate, and trans-carveol. The following, in particular, seemed to offer some characterization for each of the 3 varieties: PrCO2Et, hexanal, octanal, 3-hexenol, linalool, and perhaps some of the higher boiling carbonyls, alcs., and esters.

L4 ANSWER 11 OF 11 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1952:21408 CAPLUS

DOCUMENT NUMBER: 46:21408

ORIGINAL REFERENCE NO.: 46:3676e-g

TITLE: Comparison of some constituents in fresh-frozen and freshly squeezed orange juice

AUTHOR(S): Rakieten, M. L.; Newman, B.; Falk, K. B.; Miller, I.

CORPORATE SOURCE: South Shore Research Lab., Inc., Islip, NY

SOURCE: J. Am. Dietet. Assoc. (1951), 27, 864-8

DOCUMENT TYPE: Journal

LANGUAGE: Unavailable

AB The acetaldehyde, acetone, As, ascorbic acid, ash, bacteria, yeast, Br, **caprylic acid**, carbohydrate (total), chloride, citric acid, fiber, F, formic acid, heavy metals (total), pH, I, Pb, lipides (total), malic acid, peel oil, Na, solids (total and insol.), sucrose, reducing sugar, S (total and org.), tannic acid, tocopherol, vitamin K, and Zn content of representative samples of fresh frozen and freshly squeezed **orange juice** are reported. No significant loss of ascorbic acid occurred in either kind of juice when stored at ordinary refrigerator temp., for up to 24 hrs.

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*DB=DWPI; PLUR=YES; OP=ADJ*L3 11 and L2

1

L3L2 caprylic or octanoic

1597

L2L1 citrus juice or orange juice or grapefruit juice or grape fruit juice or cytrosan or citrex

759

L1

END OF SEARCH HISTORY